

EPA Official Record

Notes ID: 24BE4C3D4BE69B2B882578950065172A

From: Brian Nickel/R10/USEPA/US

To: Ben Cope/R10/USEPA/US@EPA; "Moore, David (ECY)" <DMOO461@ECY.WA.GOV>

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Delivered Date: 05/19/2011 11:31 AM PDT

Subject: Fw: Additional info needed on latest model results

Ben, Dave:

The actual DO sags (relative to the TMDL) in the three segments where the final DO rounded to 0.3 mg/L below natural instead of 0.2 are:

Segment 188, July 1 - 15: 0.003 mg/L (tolerance = 0.0008 mg/L)

Segment 188, September 1 - 15: 0.002 mg/L (tolerance = 0.0001 mg/L)

Segment 186, September 16 - 30: 0.003 mg/L (tolerance = 0.0014 mg/L)

So, in these instances, DO differences of 2 - 3 micrograms per liter were enough to tip the balance.

Thanks,

Brian Nickel, E.I.T.

Environmental Engineer

US EPA Region 10 | Office of Water and Watersheds | NPDES Permits Unit

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<http://epa.gov/r10earth/waterpermits.htm>

Please conserve natural resources by not printing this message.

----- Forwarded by Brian Nickel/R10/USEPA/US on 05/19/2011 11:24 AM -----

From: Dave Dilks <ddilks@limno.com>

To: Ben Cope/R10/USEPA/US@EPA

Cc: "DMOO461@ECY.WA.GOV" <DMOO461@ECY.WA.GOV>, Brian Nickel/R10/USEPA/US@EPA

Date: 05/19/2011 10:54 AM

Subject: RE: Additional info needed on latest model results

Two files are attached:

1. Run_05_reservoir_do_results_greater_than_8m.opt: Special output as generated by model
2. Test_4_Equivalence_Calcs_IEP_051911.xls: Special output pasted into Equivalence template

Let me know if you have any questions.

-----Original Message-----

From: Cope.Ben@epamail.epa.gov [mailto:Cope.Ben@epamail.epa.gov]

Sent: Thursday, May 19, 2011 1:29 PM

To: Dave Dilks

Cc: DMOO461@ECY.WA.GOV; Nickel.Brian@epamail.epa.gov

Subject: Additional info needed on latest model results

Dave, can you please send us the Excel spreadsheet (with the special DO output for the reservoir) for the model run you just submitted? Thanks.

-BC

Ben Cope, Environmental Engineer
Office of Environmental Assessment
EPA Region 10
Seattle, Washington
206-553-1442

[attachment "Test_4_Equivalence_Calcs_IEP_051911.xls" deleted by Brian
Nickel/R10/USEPA/US] [attachment "Run_05_reservoir_do_results_greater_than_8m.opt"
deleted by Brian Nickel/R10/USEPA/US]